



# UNITED STATES PATENT AND TRADEMARK OFFICE

711  
UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/058,338	01/30/2002	Robert G. Watkins	06975-232001	6135

26171 7590 03/16/2007  
FISH & RICHARDSON P.C.  
P.O. BOX 1022  
MINNEAPOLIS, MN 55440-1022

EXAMINER

VU, THONG H

ART UNIT	PAPER NUMBER
----------	--------------

2616

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/16/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

10/058,338

Applicant(s)

WATKINS, ROBERT G.

Examiner

Thong H. Vu

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 05 March 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) See Continuation Sheet is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6,8-12,16-20,22-25,27-37,39-43,47-51,53-56,58-68,70-74,78-80,83-86,88-92 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

Continuation of Disposition of Claims: Claims pending in the application are 1-6,8-12,16-20,22-25,27-37,39-43,47-51,53-56,58-68,70-74,78-80,83-86 and 88-92.

Art Unit: 2616

1. Claims 1-6,8-12,16-20,22-25,27-37,39-43,47-51,53-56,58-68,70-74,78-80,83-86,88-92 are pending.

***Response to Arguments***

2. Applicant's arguments, see pages 1-4, filed 3/05/07, with respect to the rejection(s) of claim(s) 1-6,8-12,16-20,22-25,27-37,39-43,47-51,53-56,58-68,70-74,78-80,83-86,88-92 under Allahwerdi-Audebert have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Okada.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-6,8-12,16-20,22-25,27-37,39-43,47-51,53-56,58-68,70-74,78-80,83-86,88-92 are rejected under 35 U.S.C. 102(b) as being anticipated by Okada et al [Okada 6,049,670].

3. As per claim 1, Okada discloses A method for determining whether a client communication system seeking access to a host communication system is authorized to do so, the method comprising:

receiving, at the host, from the client communication system, a user-independent client-communication-system-specific identifier (i.e.: terminal ID) and results of a first

Art Unit: 2616

mathematical computation performed at the client on a first user-dependent access identifier an (i.e.: user password) and the user-independent client-communication-system-specific identifier [Okada, terminal ID, col 4 lines 1-12; user password, col 6 lines 1; predetermined computations, col 11 lines 39-47];

accessing, at the host and based on the receipt of the user-independent client communication-system-specific identifier, a second user dependent access identifier [Okada, second password, col 15 lines 25-30];

performing a second mathematical computation using the accessed second user-dependent access identifier [Okada, predetermined computations for obtaining password, col 11 lines 39-47] and the user-independent client-communication-system-specific identifier received from the client communication system [Okada, terminal ID, col 4 lines 1-12];

comparing results of the first and second mathematical computations [Okada, compares the current and old passwords, col 10 lines 36-48]; and

designating a client communication system as unauthorized based on the comparison of the results of the first and second mathematical computations, wherein the user-independent client-communication-system-specific identifier is derived from information that identifies at least a hardware component or aspect of the client communication system [Okada, prevent the unauthorized duplication, col 11 lines 14-55].

4. As per claim 2, Okada discloses either the first or second mathematical computations comprises a hashing algorithm as inherent feature of predetermined computation.
5. As per claim 3, Okada discloses the first mathematical computation is performed when a communication is initiated as inherent feature of predetermined computation.
6. As per claim 4, Okada discloses the first and second user-dependent access identifiers comprise access password comprises a subscriber password [Okada, user password, col 6 lines 1].
7. As per claim 5, Okada discloses the first and second user-dependent access identifiers comprise access password comprises a user password [Okada, user password, col 6 lines 1].
8. As per claim 6, Okada discloses the first and second user-dependent access identifiers comprise access password comprises an account password [Okada, user password, col 6 lines 1].
9. As per claim 8, Okada discloses the user-independent client-communication-system-specific identifier comprises a device-specific identifier [Okada, terminal ID, col 4 lines 1-12].
10. As per claim 9, Okada discloses the device-specific identifier comprises a hard disk identifier as inherent feature of terminal ID.
11. As per claim 10, Okada discloses the device-specific identifier comprises an Ethernet address as alternative choice of terminal ID.

12. As per claim 11, Okada discloses the device-specific identifier comprises a central processing unit serial number [Okada, serial number, col 11 lines 39-47].

13. As per claim 12, Okada discloses the device-specific identifier comprises a description of the storage characteristics of the hard disk [Okada, hard disc, col 10 lines 53-59].

14. As per claim 16, Okada discloses sending a notification to the client communication system indicating the designation of the client communication system as an unauthorized client communication system if the result of the first mathematical computation does not correspond to the result of the second mathematical computation [Okada, notifies the user, col 12 lines 61-67].

15. As per claim 17, Okada discloses terminating communications from the client communication system if the result of the first mathematical computation does not correspond to result of the second mathematical computation as inherent feature of incorrect ID [Okada, col 12 lines 43-60].

16. As per claim 18, Okada discloses terminating communications is performed after a predetermined delay if the result of the first mathematical computation does not correspond to the result of the second mathematical computation as inherent feature of incorrect ID [Okada, col 12 lines 43-60].

17. As per claim 19, Okada discloses A method for handling information about an authorized client communication system, the method comprising:

storing a version of a user-dependent access identifier [Okada, user password, col 6 line 1];

storing a user-independent client-communication-system-specific identifier and results of a first mathematical computation performed, at a client communication system, on the user-dependent access identifier and the user-independent client-communication-system-specific identifier [Okada, terminal ID, col 4 lines 1-12; user password, col 6 lines 1; predetermined computations, col 11 lines 39-47];

performing a second mathematical computation on the stored version of the user-dependent access identifier and the retrieved user-independent client-communication-system-specific identifier [Okada, predetermined computations for obtaining password, col 11 lines 39-47], and storing the results of the second mathematical computation, wherein the user-independent client-communication-system-specific identifier is derived from information that identifies at least a hardware component or aspect of the client communication system [Okada, second password and terminal ID, col 16 lines 45-49].

18. As per claim 20, Okada discloses storing the result of the first mathematical computation comprises storing the result on the client communication system, storing the version of the user-dependent access identifier and comprises storing the version of the user-dependent access identifier access password on the host communication system [Okada, the host can backtrace or backup the ID and password, col 10 lines 20].



Art Unit: 2616

19. As per claim 32, Okada discloses A computer readable medium or propagated signal having embodied thereon a computer program for identifying an unauthorized client communication system seeking access to a host communication system, the computer program comprising:

a performing code segment for performing a first mathematical computation on a first user-dependent access identifier an access password and a user-independent client-communication-system-specific identifier [Okada, predetermined computations, col 11 lines 39-47];

a receiving code segment for receiving, at the host, from the client communication system, a user-independent client-communication-system-specific identifier and results of a first mathematical computation performed at the client on the first user-dependent access identifier an and the user-independent client-communication-system-specific identifier [Okada, terminal ID, col 4 lines 1-12; user password, col 6 lines 1; predetermined computations, col 11 lines 39-47];

a receiving code segment for retrieving, at the host, a second user-dependent access identifier password [Okada, second password, col 15 lines 25-30];

a performing code segment for performing a second mathematical computation using the received second user-dependent access identifier password [Okada, predetermined computations for obtaining password, col 11 lines 39-47] and the user-independent client-communication-system-specific identifier received from the client communication system [Okada, terminal ID, col 4 lines 1-12];

comparing results of the first and second mathematical computations [Okada, compares the passwords, col 10 lines 36-48]; and

a designating code segment for designating a client communication system as unauthorized based on a results of the first and second mathematical computations, wherein the user-independent client-communication-system-specific identifier is derived from information that identifies at least a hardware component or aspect of the client communication system [Okada, prevent the unauthorized duplication, col 11 liens 14-55].

20. As per claim 50, Okada discloses A computer readable medium or propagated signal having embodied thereon a computer program for handling information about an authorized client communication system, the computer program comprising:

a user-dependent access identifier an access password storing code segment for storing a version of a user-dependent access identifier [Okada, terminal ID, col 4 lines 1-12; user password, col 6 lines 1];

a storing code segment for storing, at the host, a user-independent client-communication-system-specific identifier and results of a first mathematical computation performed on the user-dependent access identifier access password and the user-independent client-communication-system-specific identifier [Okada, terminal ID, col 4 lines 1-12; user password, col 6 lines 1; predetermined computations, col 11 lines 39-47];

a performing code segment for performing a second mathematical computation on the stored version of the user-dependent access identifier and the retrieved user-independent client-communication-system-specific identifier [Okada, second password, col 15 lines 25-30]; and

a computation storing code segment for storing the results of the second mathematical computations, wherein the user-independent client-communication-system-specific identifier is derived from information that identifies at least a hardware component or aspect of the client communication system [Okada, second password and terminal ID, col 16 lines 45-49].

21. As per claim 51, Okada discloses the performing code segment includes a computation storing code segment for storing the result of the first mathematical computation comprises storing the result on the client communication system, a user-dependent access identifier an access password storing code segment to store the version of the user-dependent access identifier an comprises a code segment for storing the result on the host communication system [Okada, predetermined computations, col 11 lines 39-47].

22. As per claim 63, Okada discloses An apparatus for identifying an unauthorized client communication system seeking access to a host communication system, the apparatus comprising:

Art Unit: 2616

a performing device structured and arranged to perform, at a client, a first mathematical computation on a first user-dependent access identifier an access password and a user-independent client-communication-system-specific identifier [Okada, predetermined computations, col 11 lines 39-47];

a receiving device structured and arranged to receive, at the host, from the client communication system, a user-independent client-communication-system-specific identifier and results of a first mathematical computation performed at the client on the first user-dependent access identifier an and the user-independent client-communication-system-specific identifier [Okada, terminal ID, col 4 lines 1-12; user password, col 6 lines 1; predetermined computations, col 11 lines 39-47];

an accessing device structured and arranged to access, at the host, a second user-dependent access identifier password [Okada, second password, col 15 lines 25-30];

a performing device structured and arranged to perform a second mathematical computation using the accessed second user-dependent access identifier password [Okada, predetermined computations for obtaining password, col 11 lines 39-47] and the user-independent client-communication-system-specific identifier received from the client communication system [Okada, terminal ID, col 4 lines 1-12];

a comparing device structured and arranged to compare results of the first and second mathematical computations [Okada, compares the passwords, col 10 lines 36-48]; and

a designating device structured and arranged to designate a client communication system as unauthorized based on the results of the first and second mathematical computations, wherein the user-independent client-communication-system-specific identifier is derived from information that identifies at least a hardware component or aspect of the client communication system [Okada, prevent the unauthorized duplication, col 11 liens 14-55].

23. As per claim 79, Okada discloses An apparatus for handling information about an authorized client communication system, the apparatus comprising:

a user-dependent access identifier an access-password device structured and arranged to store a version of a first user-dependent access identifier an access password [Okada, predetermined computations, col 11 lines 39-47];

a receiving device structured and arranged to receive, at the host, from the client communication system, a user-independent client-communication-system-specific identifier [Okada, predetermined computations for obtaining password, col 11 lines 39-47] and results of a first mathematical computation performed at the client on the first user-dependent access identifier an access password and the user-independent client-communication-system-specific identifier [Okada, terminal ID, col 4 lines 1-12; user password, col 6 lines 1; predetermined computations, col 11 lines 39-47];

an accessing device structured and arranged to access, at the host, a second user-dependent access identifier password [Okada, second password, col 15 lines 25-30];

a performing device structured and arranged to perform a second mathematical computation using the accessed second user-dependent access identifier password and the user-independent client-communication-system-specific identifier received from the client communication system [Okada, terminal ID, col 4 lines 1-12];

a comparing device structured and arranged to compare results of the first and second mathematical computations [Okada, compares the passwords, col 10 lines 36-48]; and

a designation device structured and arranged to designate a client communication system as unauthorized based on the comparison of the results of the first and second mathematical computations, and wherein the user-independent client-communication-system-specific identifier is derived from information that identifies at least a hardware component or aspect of the client communication system [Okada, prevent the unauthorized duplication, col 11 lines 14-55].

24. As per claim 80, Okada discloses the performing device includes a device for storing the result of the first mathematical computation comprises storing the result on the client communication system, a user-dependent access identifier an storing device for storing the version of the first user-dependent access identifier an comprises storing the result on the host communication system [Okada, predetermined computations, col 11 lines 39-47].

Art Unit: 2616

25. Claims 20-25,27-31; 33-37,39-49; 52-56,58-62; 64-68,70-74,78; 83-86,88-92 contain the identical limitations set forth in claims 2-6,8-12,16-18. Therefore claims 20-25,27-31; 33-37,39-49; 52-56,58-62; 64-68,70-74,78; 83-86,88-92 are rejected for the same rationale set forth in claims 2-6,8-12,16-18

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner *Thong Vu*, whose telephone number is (571)-272-3904. The examiner can normally be reached on Monday-Thursday from 6:00AM- 3:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, *Lynn Feild*, can be reached at (571) 272-2092. The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

*Thong Vu*  
*Primary Examiner*



THONG VU  
PRIMARY PATENT EXAMINER